INTERNATIONAL SEARCH REPORT

International application No.

	INTERNATIONAL BEARON RES	•	PCT/US03/26125		
A. CLASSIFICATION OF SUBJECT MATTER					
IPC(7) : C12N 15/89; C12M 3/00 US CL : 435/29,287.1					
According to International Patent Classification (IPC) or to both national classification and IPC					
B. FIELDS SEARCHED					
Minimum documentation searched (classification system followed by classification symbols) U.S.: 435/29, 30, 459, 460, 470, 173.6, 285.1, 285.2, 287.1, 288.5, 309.1					
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched					
,					
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)					
C. DOCUMENTS CONSIDERED TO BE RELEVANT					
Category *	Citation of document, with Indication, where appropriate, of the relevant passages			Relevant to claim No.	
X	US 6,368,851 B1 (BAUMANN et al.) 09 April 2002 (09.04.2002), see entire document.			1-8, 13-15, 17-23, 26, 29, 30	
Y				9-12, 16, 24, 25, 27, 28, 31-86	
Y	WO 00/20554 A1 (GARMAN et al.) 13 April 2000 (13.04.2000), see entire document.			1-86	
Y, P US 2003/0153067 A1 (STETT et al.) 14 August 2003 (14.08.2003), see entire document.			1-86		
A	A US 6,193,647 B1 (BEEBE et al.) 27 February 2001 (27.02.2001), see entire document.			1-86	
A	US 2002/0074227 A1 (NISCH et al.) 20 June 2002 (20.06.2002), see entire document.			1-86	
Further documents are listed in the continuation of Box C. See patent family annex.					
• s	Special categories of cited documents: "T" later document published after the i			ternational filing date or priority leadon but cited to understand the	
"A" document	document defining the general state of the art which is not considered to be principle or theory unfertyle of particular relevance				
1 '	plication or patent published on or after the international filing date	"X" document of particular relevance considered novel or cannot be co when the document is taken along		c claimed invention cannot be lered to involve an inventive step	
establish	establish the publication date of another citation or other special reason (as		of particular relevance; the claimed invention cannot be to involve an inventive step when the document is		
specified) "O" document referring to an oral disclosure, use, exhibition or other means		combined with one or more other such documents, such combination being obvious to a person skilled in the art			
"P" documen	t published prior to the international filing date but later than the late claimed	"&" document member of the same patent family			
Date of the actual completion of the international search		Date of mailing of the international search report			
12 January 2004 (12.01.2004)		Authorized officer			
Name and m	ailing address of the ISA/US ii Stop PCT, Attn: ISA/US	Additionated officer			
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Form PCT/ISA/210 (second sheet) (July 1998)					